DAAC/ECS STATUS Table for April 1, 1998

Release	DESCRIPTION	Status	Problems/Comments
LaTIS	**Definition/ Development**	- Work is underway to implement semi-automation of retrieval of the Configuration Code in manual production. This should be implemented with the ValidationR2 version of Instrument/Erbelike. - Testing of Automation of DPREP and Instrument is on going. (Bob Ignacio, Tina Rogerson, Yantao Shi, Fred Byrd, Randy Dye, Renee Key)	
	SSI&T	-The new CERESlib, ERBE-Like, and Instrument Subsystems were successfully installed and tested at the DAAC. (Sukdee Storaasli, Tammy Ayers, Brian Getzewich)	By CERES CM and the DAAC team
	Production	- Instrument production processing was delayed due to a power outage at SDPF from 3/20 - 3/24. The DAAC is still trying to get all the data files from those days. - New Instrument delivery (ValidationR2) scheduled for production this week. - New Erbelike delivery (ValidationR2) scheduled for production this week. - Clouds/Inversion now run through 1/10/98. - TISA Gridding has been placed in production although problems occurred immediately. Problem: TISA Gridding Post Moa Processor takes 1.4 GB of memory. Currently the operating system kills the job when other jobs are in the system. We are investigating and testing ways to deal with this. Also the test case only used 1 day of data. The real job uses a month of MOA and is predicted to take 99 hours to run! (Jill Travers)	
	Other	-Disk space issues at the DAAC are being worked. A tiger team was formed to work on ways to automate archival and removal of CERES data in a timely fasion. To alleviate the space problem, external input files are being removed after they are no longer needed for processing, all At-Launch data has been archived and removed, Clouds data for 12/97 has been archived and removed. (Jill Travers)	

Release	DESCRIPTION	Status	Problems/Comments
Version 2.0 (Release B)	**HW/SW Installations**	- The installation of Drop 4 at the Langley DAAC ECS V2.0 system is in progress. New functionality for this drop includes additional production rules. The installation will be followed by the system testing. (Haldun Direskeneli)	
	SSI&T	- V2.0 ECS SSI&T Training at the Langley DAAC has been completed. 3 AM-1 PGE's have been integrated with Drop 3 system and run through PDPS. (Haldun Direskeneli)	
	ESDTS		
	Other		

Status of Release 2 CERES SSIT at the LaRC DAAC (04/01/98)

Subsystem	Delivery Date of accepted delivery	Delivery Content Verified and Accepted	Delivery placed under CM	Compile and link with SCF toolkit	Run test cases with SCF toolkit cmd line	Run test cases using Codine	Production Volume Stress Test	Comments
1.0	06/26/97 08/27/97 10/24/97 01/23/98 02/20/98 03/17/98	06/30/97 08/27/97 10/26/97 01/26/98 02/24/98 03/17/98	07/01/97 08/28/97 10/27/97 01/26/98 02/24/98 03/17/98	07/02/97 08/28/97 10/27/97 01/26/98 02/24/98 03/17/98	07/03/97 08/28/97 10/28/97 01/27/98 02/24/98 03/17/98	07/03/97 08/30/97 10/30/97 01/27/98 02/24/98 03/18/98	08/30/97	HDF read routines & updated scripts
2.0 & 3.0	06/16/97 12/17/97 02/24/98 03/02/98 03/09/98 03/24/98	06/17/97 12/18/97 02/25/98 03/05/98 03/09/98 03/24/98*	06/23/97 12/18/97 02/25/98 03/05/98 03/09/98 03/24/98*	06/19/97 12/19/97 02/26/98 03/05/98 03/09/98 03/24/98*	06/23/97 12/19/97 02/27/98 03/06/98 03/24/98*	07/02/97 12/22/97 03/06/98 03/25/98	07/17/97	Updated source codes Updated gif routines *Done by CERES CM
4.1-4.4	08/15/97 11/14/97 02/02/98 02/20/98 02/24/98 03/12/98	08/19/97 11/18/97 02/05/98 02/20/98 02/24/98 02/12/98	08/19/97 11/18/97 02/05/98 02/20/98 02/24/98 02/12/98	08/21/97 12/02/97 02/06/98	08/25/97 12/02/97 02/17/98	08/26/97 12/03/97 02/17/98	08/26/97	Script files Script files Script files
4.5-4.6	08/22/97 12/04/97 02/12/98	08/26/97 12/08/97 02/18/98	08/28/97 12/09/97 02/18/98	08/30/97 12/11/97 02/19/98	09/02/97 12/12/97 02/20/98	09/03/97 12/16/97 02/20/98	09/17/97	
5.0	09/11/97 11/28/97 02/12/98 03/23/98	09/12/97 12/03/97 02/22/98 03/23/98	09/15/97 12/05/97 02/23/98 03/23/98	09/16/97 12/05/97 02/23/98	09/16/97 12/08/97 02/24/98	09/17/97 12/08/97 02/24/98	10/30/97	Script files

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Subsystem	Delivery Date of accepted delivery	Delivery Content Verified and Accepted	Delivery placed under CM	Compile and link with SCF toolkit	Run test cases with SCF toolkit cmd line	Run test cases using Codine	Production Volume Stress Test	Comments
6.0/9.0	01/09/98 03/06/98	01/13/98 03/09/98	01/13/98 03/09/98	01/14/98 03/09/98	01/16/98 03/09/98	01/17/98 03/10/98		Done by SCF CM except Codine testing
7.2	01/22/98	03/09/98	03/09/98	03/09/98	03/09/98	03/09/98		
7.1	01/20/98 03/09/98	03/10/98	03/10/89	03/10/98	03/10/98	03/11/98		Done by SCF CM except Codine testing
8.0	01/20/98 03/09/98	03/10/98	03/10/98	03/10/98	03/10/98	03/11/98		Done by SCF CM except Codine testing
10.0	01/20/98 03/09/98	03/10/98	03/10/98	03/10/98	03/10/98	03/11/98		Done by SCF CM except Codine testing
11.0	08/01/97 10/10/97 02/27/98	08/05/97 10/14/97 03/04/09	08/05/97 10/14/97 03/04/98	08/07/97 10/16/97 03/04/98	08/07/97 10/16/97 03/04/98	08/08/97 10/17/97 03/04/98		
12.0	08/01/97 12/12/97 01/23/98 03/06/98	08/05/97 12/22/97 01/26/98 03/10/98	08/06/97 12/22/97 01/26/98 03/10/98	08/05/97 12/29/97 02/03/98 03/10/98	08/06/97 12/30/97 02/03/98 03/10/98	08/08/97 12/30/97 02/03/98 03/10/98	08/08/97	

Status of Release 2 CERES SSIT at the LaRC DAAC (04/01/98)

Subsystem	Delivery Date of accepted delivery	Delivery Content Verified and Accepted	Delivery placed under CM	Compile and link with SCF toolkit	Run test cases with SCF toolkit cmd line	Run test cases using Codine	Production Volume Stress Test	Comments
CERESlib	06/17/97	06/18/97	06/23/97	06/18/97	06/18/97	N/A	N/A	
	08/01/97+	08/04/97	08/05/97	08/05/97	08/05/97	N/A	N/A	+Delivery for SS 11
	10/03/97*	10/06/97	10/07/97	10/07/97	10/07/97	N/A	N/A	* Delivery for TK5.2
	10/31/97-	11/04/97	11/04/97	11/06/97	11/06/97	N/A	N/A	- Delivery for SSF
	12/04/97	12/09/97	12/09/97	12/09/97	12/09/97	N/A	N/A	
	12/23/97	01/02/98	01/02/98	01/09/98	01/09/98	N/A	N/A	
	01/20/98	01/22/98	01/22/98	01/23/98	01/23/98	N/A	N/A	- With Toolkit 5.2.1
	02/13/98	02/17/98	02/17/98	02/17/98	02/17/98	N/A	N/A	
	03/06/98	03/09/98	03/09/98	03/09/98	03/09/98			Done by CERES CM
	03/23/98	03/23/98	03/23/98	03/23/98	03/23/98			Done by CERES CM

CERES Release 2 DAAC Performance Measurements -04/01/98

One execution on LaTIS configuration of each PGE at production-level volume expected for TRMM launch.

SS	PGE	Compiler	Test Date	Time,sec			Block Operations		Peak Memory MB	Disk Storage, MB					Runs per Mnth
				Wall	User	System	Input	Out put		Input	Temp	Interm	Arch	Logs/ QC	
1.0	Instrument	Ada	08/30	13952	13335	424	27397	7428	1320.3	106	0	303	387	0.9	31
2.0	Daily TOA Inversion	SGIF90	07/16	288	276	9	4334	5	3.3	284	284	13	487	.02	31
3.0	Monthly Averaging	SGIF90	07/17	569	400	130	4890	230	15.7	403	410	0	140	1.7	1
4.1/	Cloud Retrieval/	SGIF90	08/26	4481	4384	52	3174	13	323.1	312	0	1167	30	36.0	744
4.4	Footprint Convolution	SGIF90	08/16	5341	5203	63				48.2	0	756.4	166	.8	744
4.5	TOA/Surface Fluxes	SGIF90	09/17	162	33	126	52	13	2.9	215	0	0	201	0.08	744
5.0	Instantaneous SARB	SGIF90	10/30	27150	26785	190	3412	4	224.9	247	0	0	253	.001	744
7.2	Synoptic SARB	SGIF90	03/09	200	91	98	396	6	13552	2136.8	0	0	248.2	.01	
12.0	MOA Regridding	NAG 32b	08/08	1633	1548	29	35672	29	40.5	709	0	0	319	.001	31
7.2	Synoptic SARB	SGIF90	03/09	200	91	98	396	6	13552	2136.8	0	0	248.2	.01	
11.0	Grid Geostationary	NAG 32b	11/11	77816	77137	200	17225	4	25.6	1180	0	178	0	1	4
11.1	Sort GGEO	NAG 32b	11/21	10732	3484	3040	13820	3	2.5	588	0	0	568	.001	1
9.1*	Post-process MOA	NAG 32b	01/17	524	423	75	5861	9	107.6	5767	0	13	0	.001	744
9.2	Surface Gridding														
9.3	Sort SFC Files														
6.0*	Atmos. Gridding	NAG 32b	01/17	602	471	96	5755	6	108.1	5769	0	15	0	.001	744
6.1	Sort FSW Files														
7.1	Synoptic Interpolate														
8.0	Synoptic Averaging														
10.0	TOA/SRB Averaging														
System Total															

System total: multiply each PGE measure by the number of Runs per Data Month for that PGE, then add all PGE's. Some PGE's will require more resources for each instrument on EOS-AM and EOS-PM.

***** ERBE Volume Data

CERES Release 2 DAAC Production Measurements -04/01/98

One execution on LaTIS configuration of each PGE for actual production of January 5, 1998 TRMM data

SS	PGE	Compiler	Test Date	Time,sec			Block Operations		Peak Memory MB	Disk Storage, MB					Runs per Mnth
				Wall	User	System	Input	Out put		Input	Temp	Interm	Arch	Logs/ QC	
1.0	Instrument	Ada	02/02	18745	18236	179	68689	9913	309.4	210	0	887	992.2	0.6	31
2.0	Daily TOA Invrsn2.2	SGIF90	03/11	1626	1080	274	36934	38	70.6	278	0	0	962.7	0.01	31
3.0	Monthly Averaging	SGIF90	03/11	214	162	41	2029	184	16.1	119.5	0	0	74.7	0.1	1
4.1/ 4.3	Cloud Retrieval/	SGIF90	03/24	4082	3939	41.5	4547	7	416.1	313		757	294	1.6	744
4.4	Footprint Convolution	SGIF90	03/24	2451	2345	21.9	8740	4	416.1	211		0	200	0.1	744
4.5 4.6	TOA/Surface Fluxes	SGIF90	03/25	145	33	107	3268	8	4240	299		0	427	0.2	744
5.0 7.21 12.0	Instantaneous SARB Synoptic SARB MOA Regridding	SGIF90 SGIF90 NAG32b	02/06	1737	1666	38	36102	30	45.2	73		0	13.4	.001	31
6.0 6.1 9.1 9.2 9.3	Atmos. Gridding Sort SFW Files Post-process MOA Surface Gridding Sort SFC Files	NAG32b NAG32b													
11.0 11.1	Grid Geostationary Sort GGEO	NAG32b													
7.1 8.0 10.0	Sort FSW Files Synoptic Interpolate- Synoptic Averaging	NAG32b NAG32b NAG32b													
System Total															

System total: multiply each PGE measure by the number of Runs per Data Month for that PGE, then add all PGE's. Some PGE's will require more resources for each instrument on EOS-AM and EOS-PM.